

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 11, 18, 23, and 24 and ADD new claim 25 in accordance with the following:

1. (CURRENTLY AMENDED) An access restriction method for a device control system comprising a device control server interconnected over a home network with a plurality of different types of devices within a home and a single operating terminal capable of transmission of instruction signals directly to each of said plurality of devices, the instruction signals relating to operation of said plurality of devices that are connected on the home network, said method comprising:

accepting registration of terminal information for associating a unique identifier established for said single operating terminal with said operating terminal access right for accessing said plurality of devices connected on the home network;

accepting instruction information including said operating terminal identifier and said instruction signals relating to operation of said plurality of devices;

determining said operating terminal access right based on said operating terminal identifier included in said instruction information; and

controlling one or more of said plurality of different types of devices based on said operating terminal access right and signal instructions, directly received from said operating terminal, relating to one or more of said plurality of different types of devices.

2. (PREVIOUSLY PRESENTED) An access restriction method for a device control system according to claim 1, further including:

receiving a public key set for said operating terminal when accepting registration of said operating terminal;

receiving predetermined data that has been encrypted with a secret key at said operating terminal; and

performing authentication of said operating terminal by decrypting said data using said public key, and comparing the decrypted data with said predetermined data.

3. (ORIGINAL) An access restriction method for a device control system according to claim 2, wherein said public key is associated with said operating terminal identifier as part of said terminal information and registered as such.

4. (PREVIOUSLY PRESENTED) An access restriction method for a device control system according to claim 1, further including:
acquiring and storing within storage means electronic information; and
when said instruction signals relating to said one or more devices include access to electronic information stored in said storage means, determining whether to allow said electronic information to be presented is made based on said operating terminal access right.

5. (ORIGINAL) An access restriction method for a device control system according to claim 1, wherein, when said instruction signals relating to operation of said one or more devices include access to an external network, control of said one or more devices is performed after determination of whether to allow said access to an external network is made based on said operating terminal access right.

6. (ORIGINAL) An access restriction method for a device control system according to claim 5, wherein determination of whether to grant access is made for each content on said external network.

7. (ORIGINAL) An access restriction method for a device control system according to claim 1, wherein, when instruction signals from said operating terminal have been received, determination is made of whether said operating terminal is located inside or outside the house, and determination of operating terminal access right is made based on the results of said determination and on said operating terminal identifier included in said instruction information.

8. (PREVIOUSLY PRESENTED) An access restriction method for a device control system according to claim 1, further including accepting registration of individual information for associating information relating to a user operating said operating terminal with said operating terminal, wherein:

individual information associated with this operating terminal is extracted based on said operating terminal identifier included in said instruction information, and
determination of access right is made based on said individual information and said

terminal information.

9. (PREVIOUSLY PRESENTED) A computer-readable recording medium on which is recorded a program for executing on a computer an access restriction method for a device control system according to claim 1.

10. (CANCELLED)

11. (CURRENTLY AMENDED) A device control server interconnected over a home network with a plurality of different types of devices in a home, said server controlling one or more of said plurality of different types of devices based on instruction information, relating to the operation of one or more of said plurality of different types of devices, sent from a single operating terminal directly to each of said plurality of devices, said server comprising:

terminal information acceptance means for accepting registration of the single operating terminal for the purpose of associating a unique identifier set for said single operating terminal with an operating terminal access right for accessing said one or more devices of said plurality of different types of devices connected on the home network;

terminal information storage means for storing said terminal information;

instruction information acceptance means for accepting instruction information that includes an identifier for said operating terminal and instruction signals relating to said operating terminal;

access right determination means for determining the access right of said operating terminal based on said instruction information; and

device control means controlling said one or more devices based on the access right of said operating terminal as determined by said access right determination means and on instruction signals, directly received from said operating terminal, relating to operation of said one or more devices included in said instruction information.

12. (PREVIOUSLY PRESENTED) A device control server according to claim 11, further comprising:

public key acceptance means for, when accepting registration of said terminal information for accessing said one or more devices connected to the home network; accepting a public key set for said operating terminal and storing said public key along with said terminal information in said terminal information storage means; and

operating terminal authentication means for performing authentication on said operating terminal by sending predetermined data, receiving said predetermined data after encryption thereof at said operating terminal using a secret key, decrypting using said public key, and comparing with said predetermined data.

13. (ORIGINAL) A device control server according to claim 11, further comprising:
electronic information acquisition means for acquiring electronic information and
electronic information storage means for storing electronic information acquired by said electronic information acquisition means, wherein:

when said instruction signals relating to operation of said one or more devices include access to electronic information stored in said electronic information storage means, said access right determination means determines the access right of said operating terminal before determining whether or not to allow presentation of said electronic information.

14. (ORIGINAL) A device control server according to claim 11, further comprising external communication means capable of connecting with an external network existing outside the house, wherein:

when said instruction signals relating to operation of said one or more devices include access to said external network, said access right determination means determines the access right of said operating terminal before determining whether to grant access to said external network.

15. (ORIGINAL) A device control server according to claim 14, wherein determination of whether to grant access is made for each content on said external network.

16. (ORIGINAL) A device control server according to claim 11, further comprising terminal location determination means for determining whether said operating terminal is inside or outside the house based on instruction information accepted by said instruction acceptance means, wherein said access right determination means determines access right for said operating terminal based on determination results of said terminal location determination means.

17. (ORIGINAL) A device control server according to claim 11, further comprising individual information acceptance means accepting registration of individual information for associating information relating to a user operating said operating terminal with said operating

terminal, wherein said access right determination means extracts individual information associated with this operating terminal based on said operating terminal identifier included in said instruction information, and determines access right based on said individual information and said terminal information.

18. (CURRENTLY AMENDED) A single operating terminal, in a device control system having a device control server interconnected over a home network with a plurality of different types of devices within the home network, capable of transmitting instruction signals relating to operations of one or more of said plurality of different types of devices directly to each of said plurality of devices, the single operating terminal comprising:

identifier storage means storing a unique identifier;

terminal information registration means for registering said identifier on said device control server;

input acceptance means for accepting input of instructions relating to operation of said one or more of said plurality of different types of devices that are connected on the network;

instruction information generation means for generating instruction information based on inputted instructions accepted by said input acceptance means and on an identifier stored in said identifier storage means; and

instruction information transmission means for transmission of instruction information generated by said instruction information generation means directly to each of said plurality of devices.

19. (ORIGINAL) An operating terminal according to claim 18, further comprising location information acquisition means for acquiring current location information, wherein:

said instruction information generation means generates instruction information based on said inputted instructions, said identifier, and location information acquired by said location information acquisition means.

20. (ORIGINAL) An operating terminal according to claim 18, further comprising:

individual information input means for accepting the input of information relating to an operating user, wherein:

said instruction information generation means generates instruction information based on said inputted instructions, said identifier, and information relating to said user accepted by said individual information input means.

21. (ORIGINAL) An operating terminal according to claim 18, further comprising:
secret key storage means for storing a secret key;
public key storage means for storing a public key corresponding to said secret key; and
encryption means for encrypting data using said secret key; wherein:
said operating terminal sends said public key to said device control server during
registration of terminal information at said device control server by said terminal information
registration means, and, during transmission of said instruction information, encrypts
predetermined data received from said device control server using said secret key and sends
this as authentication information.

22. (PREVIOUSLY PRESENTED) An access restriction method for a device control
system comprising a device control server interconnected over a home network with a plurality of
different types of devices within the home network, and a single operating terminal capable of
transmission of instruction signals to the plurality of devices, said method comprising:
accepting registration of terminal information for associating a unique identifier
established for said single operating terminal with said operating terminal access right;
accepting instruction information including said operating terminal identifier;
determining an operating terminal access right based on said operating terminal
identifier; and
controlling one or more of said plurality of different types devices by said single operating
terminal based on said operating terminal access right, said one or more devices being
connected on said home network, said single operating terminal directly controlling said one or
more devices with signals transmitted from said terminal.

23. (CURRENTLY AMENDED) A home network system, comprising;
a home network connecting a plurality of different types of devices;
a server connected to the home network;
a single remote control unit capable of transmitting instruction signals directly to each of
said plurality of devices and controlling each of the plurality of different types of devices
connected to the home network.

24. (CURRENTLY AMENDED) The home network system according to claim 23,
wherein the plurality of different types of devices include both an air conditioner and a television.

25. (NEW) An access restriction method for a device control system comprising a device control server interconnected over home network with a plurality of different types of devices within a home and a single operating terminal capable of transmission of instruction signals directly to each of said plurality of devices and a handset for transmitting capable of transmitting of instruction signals to a home server to control each of said plurality of devices positioned out of the home, the instruction signals relating to operation of said plurality of devices that are connected on the network, said method comprising:

accepting registration of terminal information for associating a unique identifier established for said single operating terminal with said operating terminal access right for accessing said plurality of devices connected on the home network;

accepting instruction information including said operating terminal identifier and said instruction information signals relating to operation of said plurality of devices;

determining said operating terminal access right based on said operating terminal identifier included in said instruction information; and

controlling one or more of said plurality of different types of devices based on said operating terminal access right and said signal instructions, directly received from said operating terminal, relating to one or more of said plurality of different types of devices.